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WHAT IS CLAIMED IS:

1. A method of providing a link quality indicator signal for a communication system, the communication system having a local transceiver including a plurality of communication status signals, the method comprising:

receiving the plurality of communication status signals from the transceiver;

- 10 generating a link quality indicator signal based on the plurality of communication status signals.
 - 2. The method of claim 1, the generation of a link quality indicator further including:
 - generating a first aperiodic link quality indicator signal if a first subset of the plurality of communication status signals indicate an operational network channel; and generating a second aperiodic link quality indicator signal if the first subset of the plurality of communication status signals indicate an inoperative network channel.
 - 3. The method of claim 1, the generation of a link quality indicator further including:
- generating a periodic link quality indicator signal if a second subset of the plurality of communication status signals indicate a marginally operational network channel.
- 4. The method of claim 3, wherein generating a periodic link quality indicator signal further includes determining a period of the periodic link quality indicator signal based on the second subset of the plurality of communication status signals.

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- 5. The method of claim 3, wherein generating a periodic link quality indicator signal further includes generating a periodic link quality indicator signal with asymmetric high and low periods.
- 6. A method of providing a link quality indicator signal for a communication system, the communication system having a local transceiver including a plurality of communication status signals, the method comprising:
 - (a) generating a link quality indicator signal at a first signal level;
 - (b) generating the link quality indicator signal at a second signal level if an auto-negotiation complete status signal indicates a local transceiver auto-negotiation process is complete;
 - (c) continuing from step (a) if the auto-negotiation complete status signal indicates the local transceiver auto-negotiation process is not complete;
 - (d) continuing from step (b) if a link status signal indicates that a network channel has not been established;
 - (e) generating the link quality indicator signal at the first signal level and continuing from step d if a local receiver status signal indicates that the local transceiver is not functional;
 - (f) generating the link quality indicator signal at the second signal level if the local receiver status signal indicates that the local transceiver is functional;
- (g) generating the link quality indicator signal at the first signal level for a first period of time and generating a link quality indicator signal at the second signal level for the first period of time if a receive error status signal indicates that the local transceiver has a reception error;

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- (h) generating the link quality indicator signal at the first signal level for a first period of time and generating the link quality indicator signal at the second signal level for the first period of time if a receive error status signal indicates that the local transceiver has a reception error; and
- (i) generating the link quality indicator signal at the first signal level for a second period of time and generating the link quality indicator signal at the second signal level for the second period of time if a MSE status signal indicates that a MSE of the local transceiver exceeds a SNR threshold status signal.
 - 7. The method of claim 6 wherein the first period of time is greater than the second period of time.
 - 8. An apparatus for generating a link quality indicator signal for a communication system, the communication system having a local transceiver including a plurality of communication status signals, the apparatus comprising:
 - a quality indicator signal generator including quality indicator logic, the quality indicator logic including:
- 25 receiving a set of communication status signals from the plurality of communication status signals; generating a link quality indicator signal based on the set of communication status signals.
- 30 9. The apparatus of claim 8, the quality indicator logic further including:
 - generating a first aperiodic link quality indicator signal if a first subset of the plurality of communication status signals indicate an operational network channel; and

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generating a second aperiodic link quality indicator signal if the first subset of the plurality of communication status signals indicate an inoperative network channel.

- 10. The apparatus of claim 8, further comprising a light emitting diode operably coupled to the link quality signal generator.
 - 11. The apparatus of claim 8, the quality indicator logic further including:

generating a periodic link quality indicator signal if a second subset of the plurality of communication status signals indicate a marginally operational network channel.

- 12. The apparatus of claim 11, wherein the quality indicator logic further includes determining a period of the periodic link quality indicator signal based on the second subset of the plurality of communication status signals.
- 13. The apparatus of claim 11, wherein the quality indicator logic further includes generating a periodic link quality indicator signal with asymmetric high and low periods.
 - 14. A method of providing a link quality indicator signal for a communication system, the communication system having a local transceiver including a plurality of communication status signals, the method comprising:

generating a first aperiodic link quality indicator signal indicating an inoperative network channel; and

generating a second aperiodic link quality indicator signal if an auto-negotiation complete status signal and a

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link status signal and a local receiver status signal indicate an operational network channel.

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15. The method of claim 14, wherein the generation of a link quality indicator further includes generating a periodic link quality indicator signal if a receive error status signal indicates a marginally operational network channel.

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16. The method of claim 14, wherein the generation of a link quality indicator further includes generating a periodic link quality indicator signal if a mean square error status signal indicates a marginally operational network channel.

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17. The method of claim 14, wherein the generation of a link quality indicator further includes generating a first periodic link quality indicator signal if a receive error status signal indicates a marginally operational network channel.

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18. The method of claim 17, wherein the generation of a link quality indicator further includes generating a second periodic link quality indicator signal if a mean square error status signal indicates a marginally operational network channel.

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